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Fresenius Medical Care Deutschland GmbH
D-62352 Bad Homburg

BLOOD TREATMENT EQUIPMENT

CLAIMS

1. Blood treatment equipment comprising a blood treatment device (1) which is part of an extracorporeal blood circulatory system,
comprising actuators (6, 8, 22, 23, 24) in the extracorporeal blood circulatory system and/or in further fluid circulatory systems,
comprising a control unit (30) for controlling the actuators (6, 8, 22, 23, 24),
comprising a display and input unit (32) comprising a touch screen (33) connected to the control unit (30),
wherein the display and input unit (32) comprises various mode means (40) in order to be able to show various time modes of a blood treatment on the touch screen (33) wherein the mode means (40) are selectable by an operator via the touch screen (33),
wherein the control unit (30) is suitable for identifying the respectively running time mode and instructing the display and input unit (32) to show the corresponding mode means selected from the other mode means, by showing the other mode means in a first

type of symbol and the selected mode means in a second type of symbol,

characterised in

that the control unit (30) is furthermore suited to establishing the end at least of one time mode in order to automatically initiate the beginning of the subsequent time mode and to communicating this to the display and input unit (32) for changing the representation of the selected mode means.

2. The blood treatment equipment according to claim 1, characterised in that the mode means (40) are arranged with respect to one another in their time sequence.
3. The blood treatment equipment according to claim 1 or claim 2, characterised in that the mode means (40) comprise at least one blood treatment preparation means (41a, 41b), one blood treatment means (42) and one blood treatment after-preparation means (43a, 43b).
4. The blood treatment equipment according to claim 3, characterised in that the blood treatment means (42) on the touch screen (33) has a larger area than the other mode means (41a, 41b, 43a, 43b).
5. The blood treatment equipment according to claim 2, characterised in that the mode means (40) are represented in the form of a cell at one edge of the touch screen (33) and the remaining area of the touch screen is suitable for representing further output and/or input means.
6. The blood treatment equipment according to claim 1, characterised in that the touch screen (33) has a

- display area (50) on which the display and input unit (32) represents various output and/or input means (55, 56, 57, 58, 59) depending on the time mode.
7. The blood treatment equipment according to claim 3, characterised in that the blood treatment equipment is a haemodialysis device.
 8. The blood treatment equipment according to claim 7, characterised in that the at least one blood treatment preparation means comprises mode means each for a blood system mode (41a) and a preparation mode (41b).
 9. The blood treatment equipment according to claim 7, characterised in that the at least one blood after-preparation means comprises mode means each for a re-infusion mode (43a) and a purification mode (43b).
 10. The blood treatment equipment according to any one of the preceding claims, characterised in that the control unit (30) is suitable for instructing the display and input unit (32) to represent individual mode means in a third type of symbol according to the running time mode and to deactivate its input function.
 11. The blood treatment equipment according to any one of the preceding claims, characterised in that the display and input unit (32) is suitable for displaying the mode means (40) in all time modes at the same point of the touch screen (33).
 12. The blood treatment equipment according to any one of the preceding claims, characterised in that the blood treatment equipment comprises sensors (9, 10, 11, 12) wherein the control unit (30) is suitable for

evaluating the measured values of the sensors in order to determine the end of a time mode.

13. The blood treatment equipment according to claim 12, characterised in that the sensor is a blood detector and/or air detector (9) in the extracorporeal circulatory system.
14. The blood treatment equipment according to claim 12, characterised in that the sensor is a detector (12), which determines the presence of correctly mounted components of the extracorporeal circulatory system.
15. The blood treatment equipment according to any one of the preceding claims, characterised in that the control unit is suitable for determining the quantity of fluid conveyed by a controlled pump (6, 22, 23) at a certain time in order to use this value to determine the end of a time mode.